

## Module Layout

### XMΠ613: Soil remediation technologies

<b>Faculty</b>	Code	Faculty of Pure and Applied Sciences	
<b>Programme of Study</b>	XMΠ	Sustainable Environmental Engineering	
<b>Module</b>	XMΠ613	Soil remediation technologies	
<b>Level of Study</b>	<b>Undergraduate</b>	<b>Graduate</b>	
		<b>Master</b>	<b>Doctoral</b>
		X	
<b>Language of Instruction</b>	Greek		
<b>Mode of Delivery</b>	Distance		
<b>Module Type</b>	<b>Required</b>		<b>Electives</b>
			X
<b>Number of Group Consulting Meetings</b>	<b>Total</b>	<b>Physical Presence</b>	<b>Online</b>
	13	0	13
<b>Number of Assignments</b>	1		
<b>Final Grade Calculation</b>	<b>Assignments</b>	<b>Weekly Activities</b>	<b>Final Exam</b>
	30 %	10 %	60 %
<b>Number of European Credit Transfer System (ECTS)</b>	5		

#### Module Description

The main objective of the course is to acquire knowledge about soil, one of the non-renewable resources of the planet, a critical capacity to assess the necessity of taking measures and to develop regional and national action plans using modern decision-making tools.

The course covers the subject “soil” starting from soil basic properties, characteristics and functions as well as the understanding of its importance in ecosystems quality and function.

Also, through the course, knowledge will be acquired related to:

- Soil-related concepts (sustainability, erosion, sealing, salinization, compaction, pollution, biodiversity, desertification, decontamination, sustainable agriculture, climate change and soil).
- Effects of the degradation and loss of land resources on the environment, society and the economy
- Quality restoration methods and technologies (decontamination)
- Evaluation methods and technologies for monitoring soil quality

#### Pre-requisite Modules

Not applicable

#### Co-requisite Modules

Not applicable

#### Grading Scheme

Assessment Method	Percentage on Final Grade	Workload	
		Hours	ECTS
<b>Weekly Study</b> 13 weeks * ~11 study hours		60-80	2.5
<b>Weekly Interactive Activities</b>	10%	~13	0.5

<i>13 weeks * ~1 hour of work</i>			
<b>Assignment</b>	30 %	30 - 50	2.0
<b>Final/Repeat Examination</b>	60 %	3	--
<b>Total</b>	<b>100%</b>	<b>100-150</b>	<b>5</b>

#### **Grading Rules and Assessment methods**

- Students are evaluated with 10, if they earn 100% of the possible grade.
- Students are evaluated with 9, if they earn 90% of the possible grade, i.e.  $90\% * 10 = 9$ , etc.
- Passing rate
  - 50% of the Assignment
  - 50% of the Interactive Activities
  - Students are allowed to participate in the final exam of a Module if they have overall earned the minimum grade ( $\geq 50\%$ ) in both their Assignment and Interactive Activities
  - 50% of the Final exam

If a student earns a grade with decimal points, then it is rounded to the nearest half unit.